

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35916 with mitigation from Trust Water Right No. CS4-01863sb3@27		
APPLICANT NAME Delphi Terra Firma LLC	CONTACT Tyson Carlson	CONTACT'S TELEPHONE NO Not Provided
WATER RIGHT HOLDER'S NAME (if different) Bourne		CONTACT'S EMAIL tcarlson@aspectconsulting.com

DATE OF APPLICATION March 22, 2017

WATER SOURCE: Well	CROP: Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.330 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and/or garden	
PLACE OF USE: Parcel No. 430834, located within the SW ¹ / ₄ SW ¹ / ₄ of Section 24, T. 20 N., R. 14 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and/or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: 1 residential connection at 275 gallons per day (gpd) used continuously year round equates to 0.308 ac-ft/yr of water use, or: Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use (CU) = 0.092 ac-ft/yr</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² of lawn and/or garden. Using a crop irrigation requirement of 18.10 in/yr (or 1.51 ft/yr) for pasture/turf near Cle Elum from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.022 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = 0.019 ac-ft/yr</p> <p>Total consumptive use = 0.112 ac-ft/yr</p> <p>Contract water = 0.057 ac-ft/yr for the period September 1 to March 31</p>

NARRATIVE DESCRIPTION OF PROJECT:

The subject parcel is located in the SW¹/₄SW¹/₄ Section 24, T. 20 N., R. 14 E.W.M between the Yakima and Cle Elum Rivers near their confluence. The subject well lies within a “yellow” suitability area under the Bourne water bank (Trust Water Right CS4-01863sb3@27).

The requestor proposes to offset the 0.112 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft² of lawn and garden) with 0.112 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-01863sb3@27. Ecology will assign 0.057 ac-ft to the USBR-Ecology Exchange Contract (Contract No. 09XX101700).

Review of the local area hydrogeology suggests that the proposed well will capture water that would otherwise discharge to the Cle Elum River and Yakima River.

WTWG Project form

Location of G4-35916

